

HF Happenings



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the week of 7 December 2015



Youngsters on the Air Award

There is a special award available for working YOTA stations. Four awards can be achieved:

Bronze - work 5 YOTA stations

Silver - work 10 YOTA stations

Gold - work 15 YOTA stations

Platinum - work 25 YOTA stations

Awards can be requested through this link www.ham-yota.com/december-yota-month/award-request/

ARRL 10 Meter Contest

The ARRL 10 Metre Contest will be on the air over the weekend of 12 and 13 December. The contest allows either or both CW or Phone contacts, which can be wonderful for avoiding fatigue in just one mode - check the rules to figure out which category you would like to enter. Effective use of one good 10 meter opening during an otherwise closed-band weekend and you could be among the regional score leaders. Get all the information at www.arrl.org/10-meter

WRC-15 Concludes In Geneva

World Radiocommunication Conference 2015 (WRC-15) concluded its deliberations on 27 November in Geneva, as heads of delegations signed the Final Acts revising the Radio Regulations - the international treaty governing the use of radio frequency spectrum and satellite orbits. Some 3 300 participants, representing 162 out of the International Telecommunication Union's (ITU) 193 member states, attended the 4-week conference. Another 500 or so participants, representing 130 other entities, including industry, also attended as observers. Festus Daudu of Nigeria chaired WRC-15.

"A great deal has been achieved in the last 4 weeks and the results will have a major impact on the future of the telecommunication sector in general and radio communications in particular," ITU Radiocommunication Bureau (ITU-R) Director François Rancy said in a closing news release. WRC-15 addressed more than 40 topics related to frequency allocation and sharing.

The conference reached consensus on a new worldwide secondary Amateur Radio allocation at 5 351.5 to 5 366.5 kHz, with a power limit of 15 W effective isotropic radiated power (EIRP). Some Region 2 countries will be permitted up to 25 W EIRP. With this action - and despite conditions that are more restrictive than had been hoped at the start of the Conference - the Amateur Service has obtained its first new global HF allocation since 1979.

The 15 kHz band at 60 meters "will maintain stable communications over various distances, especially for use when providing communications in disaster situations and for relief operations," an ITU news release said. The new band will not become available for



use until the regulatory authorities address the WRC-15 Final Acts.

Threats by the mobile telephone/broadband industry near 10 GHz and 24 GHz have been averted for the time being, but are expected to be raised again at WRC-19 and/or WRC-23. The 144 and 420 MHz bands were excluded from the WRC-19 agenda item addressing short-duration (3 years) small satellites.

Agenda Item 1.12, addressing the Earth Exploration Satellite Service (10 GHz EESS), was approved at plenary with footnotes relevant to certain Middle East countries. The EESS allocation was tailored to avoid the Amateur-Satellite segment and poses no threat to terrestrial amateur radio use of the band.

The International Amateur Radio Union (IARU) team at WRC-15 also focused its efforts on tweaking the agenda for WRC-19. Agenda Item 1.1 will consider 50 to 54 MHz harmonization in Region 1. A proposed agenda item to align the 160 metre allocation in Region 1 with the rest of the world did not make the cut.



North Korea, P5

Shortly before Christmas, Dom 3Z9DX arrives in North Korea for high-level talks with officials and inspectors with regards his upcoming P5 activity, which, all going well, will take place January or February 2016. Dom is taking all radio equipment with him on this visit (as it needs to stay there

December

- 1 – Start of Youth on the Air (YOTA) month
- 3 – Day for Disabled Persons
- 5 – Stargazing picnic at the Taal Monument, Paarl; Modderfontein Christmas Night Market, JHB
- 5 and 6 – UK/EI DX SSB Contest
- 6 – SARL Digital Contest
- 9 – All schools close
- 12 and 13 – ARRL 10 metre contest; Gabriëlskloof Favourite Things Market, Bot River
- 15 to 19 – KZN Christmas Market Festival, Hillcrest
- 16 – Day of Reconciliation; Shongweni Farmers Market, Durban
- 17 and 18 – Christmas Market, Mossel Bay
- 22 – Summer Solstice; Feast of Tevet
- 24 – Christmas Eve
- 25 – Christmas Day
- 26 – Family Day
- 27 – Groote Post Country Market, Darling
- 31 – Old Years Eve; end of 2015 CQ Marathon; end of Youth on the Air (YOTA) Month
- 31 – Destroy your copy of the 2015 SARL Blue Book

January 2016

- 1 – Download your copy of the 2016 SARL Blue Book
- 1 – New Years day; start of the 2016 CQ Marathon
- 9 and 10 – Hunting Lions in the Air
- 13 – All schools open
- 15 to 17 – PEARS VHF/UHF Contest
- 23 – Summer QRP Contest
- 23 and 24 – UK/EI DX CW Contest
- 28 to 31 – Up the Creek Music Festival, Swellendam
- 31 – Groote Post Country Market, Darling

until the activity and will not be returning home with him). He will be staying for 3 to 5 days. It is not expected that Dom will operate this time, but rather discuss with the various departments about his future activity.

VKOEK DXpedition News

(Heard Island Expedition Newsletter Vol. 1 No 7)

The current Heard Island Expedition Newsletter (Vol 1 No 7, dated 28 November) is now out. Individuals may have already received this because they subscribed to it or they made a donation to the expedition or they are a team member or a corporate sponsor, or Bob, KK6EK, just happens to

know you and think you would like to have it. This issue goes to 1 369 different people.

Bob also informs [edited], "There is no charge or obligation for this we just want to help you make a QSO with VK0EK, or to collaborate in the scientific work. Future Newsletters will be issued now and then, when we have something to say, probably every few weeks. If you missed a previous Newsletter and would like to have a copy, you can find a link on page 4 www.heardisland.org/HD_pages/HD_newsletter_back_issues.html to download the back issue.

The expedition is scheduled to begin in early March 2016 and end in late April. You can see the status of the project on the main website www.heardisland.org and on the blogsite www.vk0ek.org.

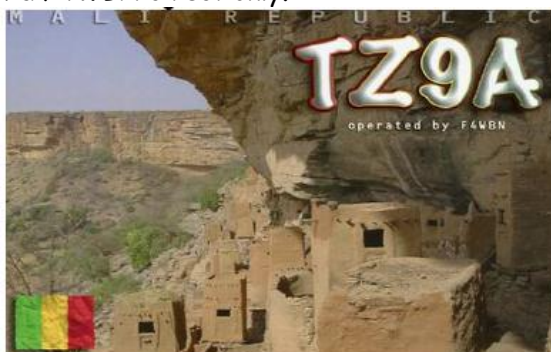
I hope you like this Newsletter and find it useful. If you have suggestions, comments, subjects you would like to see addressed, etc., or wish to be removed from the distribution list, please write to me...

Bob, KK6EK, Organiser/Expedition Leader"

For more details on the mailing list for the newsletter, go to www.heardisland.org/HD_pages/HD_newsletter.php

African DX

Mali, TZ. Christian, F4WBN, and Rene, F5DUX, will be active as TZ9A from Mali between 7 and 19 December. Activity will be on the HF bands with a focus on RTTY. QSL via F4WBN direct only.



A four-wheel-drive trip from one continent to the next - ON to C5.

"Not the ordinary DXpedition, but a unique merging of amateur radio and charity". The following is an edited press release from Pedro, ON7WP, "Pedro ON7WP will be driving a Nissan Patrol Jeep, a donation to serve as local utility vehicle in Buntung, from Belgium to The Gambia with amateur radio on board. He will leave Brussels on early morning 12 December, first crossing Germany and France to take a ferry to Ceuta where he will sign as EA9/ON7WP. He has applied for licenses for all countries on his way to the Gambia, starting from Morocco as CN9WP, later operating as SOWP from Western Sahara and 5TOWP from Mauritania and maybe also from Senegal if they read their mail...

Mobile equipment will be a Codan SRX2012 with Codan 9350 antenna and a Kenwood TS-480 for 6 metre operations. In the evenings at campsites he will deploy a Butternut Vertical. Frequencies will be centred around 7 145, 14 200, 18 150, 21 300, 24 950, 28 500 and 50 150 non-split while mobile as the Codan rig does not really allow smooth split operation.

Arriving finally at the end of December, Pedro, ON7WP, will be active from his second home "Kerr Pedro" in Buntung, The Gambia, using his other call sign C5WP. Kerr means "house of" in local Pular language. Pedro is actively involved in a private charity organization www.SmileGambia.org that supports a small Village called "Buntung" inland central Gambia. It is a remote town with no water or electricity. During the past years, Pedro and his family installed a water well, solar power, grinders for the pearl millet crop, a fuel powered kilowatt generator, a few laptops on solar power, a small school and some guest houses to accept other philanthropists.

Last year he installed a Spiderbeam antenna that greatly improved his signal. Due to an almost non-existent noise level, he can hear all the weak ones and this year he is going to do some extra efforts for the lower bands, not easy on the savannah grounds. Plenty of space to put antennas but no towers apart from the palm trees and serious restrictions on any hardware that all has to

be flown in by plane. Since August, he has a vertically polarized delta loop for 40 metre that gave outstanding worldwide coverage from just the barefoot solar powered TS-480 Kenwood rig.

Active from around Christmas onwards, he will focus on WARC band operation but also try some 6 metre traffic. Plans exist to put up apart from the delta loop for 40 metres, a Butternut vertical for 40 and 80 metres. After a week of solar powered operations, he will move to the coastal area where he will focus on low bands, having possibilities for seaside traveling wave antennas that proved to be good last year. End of the operations will be 9 January. Another period of operations is planned later this year when Pedro will be driving a Nissan Patrol Jeep, to serve as local utility vehicle in Buntu, from Belgium to The Gambia with amateur radio on board.

There are currently only two permanent licenses issued in the Gambia, being C5WP and C5YK. C5YK will depart for good beginning 2016, so Pedro will be the only one left at the time being.

As charity work comes on the first place, Pedro's operations will be limited to his free time. QSL will be only direct to his home address in Belgium and the 3 Euro asked for will be awarded with a full colour QSL card showing the Buntu Village guest houses. Payment can be included with the card, but alternatively also paid online using Paypal using the "donate" button on the www.SmileGambia.org website. The small profit goes entirely into the charity project.

Amateurs interested in operating from the Buntu village facilities are invited to contact Pedro at c5wp@smilegambia.org for details. Last year they had a visit of MD Dirk, ON5OF, who did some outstanding work dealing with the health of the population. Most people never went to see a doctor in their whole life! This road trip Pedro gets company from Kurt Adams, a solar power specialist who will improve the little power plant in Buntung with fresh panels. The trailer with help goods he helped build uses solar panels as fences and roof.

If you dreamed of operating from a remote African location and you are ready to bring some donations for the people or improve their life by your expertise, whatever it may be, this might be an experience of a lifetime.

African Islands

IOTA frequencies

CW: 28 040 24 920 21 040 18 098 14 040 10 114 7 030 3 530 kHz

SSB: 28 560 28 460 24 950 21 260 18 128 14 260 7 055 3 760 kHz

Madeira Island, CQ90. To celebrate the 90th anniversary of the founding of the International Amateur Radio Union (IARU) in 1925, the REP-Delegation in Madeira Island will be joining this celebration between 17 and 23 December to mark this prestigious occasion. They will use the special call sign CQ90IARU. QSL via Bureau, or direct, see QRZ.com. The log will be uploaded to LoTW as well.

Canary Islands, EA8. After his operation in Turkey, Rieder, HB9FIH, will be active as EA8/HB9FIH from El Hierro Island (AF-004), it is the smallest and farthest south and west of the Canary Islands, between 16 December and 10 March 2016. Activity will be 80 to 10 metres (possibly 6 m) using 100 watts and mainly on CW, RTTY, PSK and some SSB. When he operates portable, (SOTA HI-001) activity will be on 40, 30 and 20 metres using CW. QSL via LoTW, eQSL or by the Bureau.

Sao Tome and Principe, S9. Bruno, HB9BEI, who is currently in Brazil and is active as PY7ZBK during the winter months, informs that he will be active as S9BK (requested) from Sao Tome (AF-023) between 25 February and 25 March 2016. During this period he will also travel to Principe (AF-044) between 7 and 12 March. Activity from both islands will be holiday style on 40 to 10 metres using mainly SSB and the digital modes. QSL via his home call sign.

Mauritius, 3B8. Robert, MORCX, will once again be active as 3B8/MORCX from Mauritius sometime between 15 June and 14 July 2016. Like last time, he will be more of a tourist (DX vacation, with family obligations) and not seen as a "full core" DXpedition. His power will be limited to 100 watts using a Yaesu FT-991 and Kenwood TS-480, into a Hexbeam, a wire beam for 6 m, possibly made from the island's bamboo, as well as a delta loop and long wire available for his activity. Frequencies will appear on QRZ.com and will be updated shortly. His operating position will be close to the city centre of Port Louis in the North West of the Island.

Activity will be at least 3 hours a day on the following HF Phone bands 40, 20, 17, 15, 12 and 10 metres. He is also planning to operate on some PSK31, RTTY and JT65A making some contacts with low to modest power levels (NO amp). There will be no EME. Robert said last year, "I plan to live over there in about four years so hopefully I'll get a feel for it. QTH is inland about a mile from the ocean, but there is a mountain behind me (east) this is why I wish to push my signals over to the west." Look for more details/updates on his QRZ.com page. QSL via EB7DX and eQSL go to 3B8/MORCX.

For his 2014 operation, checkout the pictures on his Facebook and Twitter pages at www.facebook.com/3b8m0rcx and <https://twitter.com/3B8M0rcx>

History this week

(The week starting 7 December)

1577 - Francis Drake departed from Plymouth, England, in the Golden Hind on his voyage around the world

1642 - Dutch navigator Abel Tasman of the Dutch East India Company discovered New Zealand

1896 - Swedish chemist Alfred Nobel died at San Remo, Italy

1901 - The first transatlantic radio signal was transmitted by Guglielmo Marconi from

Cornwall, England, to St. John's, Newfoundland (11 Dec)

1925 - Fred Hitler's book 'Mein Kampf' is published in Germany

1936 - King Edward VIII abdicated the throne of England to marry "the woman I love,"

1941 - The USA and Britain declare war on Japan after the Japanese attack on Pearl Harbour

1991 - The USSR (Union of Soviet Socialist Republics) ceased to exist, as the leaders of Russia, Byelorussia and the Ukraine signed an agreement creating the Commonwealth of Independent States. The remaining republics of the former USSR, with the exception of Georgia, joined the new Commonwealth.

2941 (SR) Gandalf and Bilbo travel with Beorn along the border of Mirkwood

Contest Calendar

This week's contests compiled by Bruce Horn, WA7BNM. The period covered is 7 to 14 December 2015

ARS Spartan Sprint

02:00 - 04:00 UTC 8 December

Mode: CW

Bands: 80, 40, 20, 15, 10 m

Classes: Skinny; Tubby

Max power: 5 watts

Exchange: RST, state, province or country and power

Work stations: Once per band

Submit logs by: 10 December 2015

E-mail logs to: spartansprint@yahoo.com

Mail logs to: (none)

Find rules at:

<http://arsgrp.blogspot.com/2009/02/so-whats-spartan-sprint-and-how-do-i.html>

NAQCC CW Sprint

01:30 - 03:30 UTC 9 December

Mode: CW

Bands: 80, 40, 20 m

Classes: (none)

Max power: 5 watts

Exchange: RST, state, province or country and NAQCC no or power

Work stations: Once per band

QSO Points: 1 point per QSO with non-member; 2 points per QSO with member

Multipliers: Each state, province or country once

Key Type Mult: 2 x if straight key, 1,5 x if bug, 1 x if other

Score Calculation: Total score = total QSO points x total mults x key type mult

Submit logs by: 23:59 UTC 13 December 2015

Upload log at:

<http://naqcc.info/sprintlog.html>

Mail logs to: John Shannon, K3WWP, 478 E. High St., Kittanning, PA 16201, USA

Find rules at:

<http://naqcc.info/sprint201512.html>

QRP Fox Hunt

02:00 - 03:30 UTC 9 December

Mode: CW

Bands: 40 m Only

Classes: Single Op - fox or hound

Max power: 5 watts

Exchange: RST, state, province or country, name and power output

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 03:30 UTC 10 December 2015

E-mail logs to: (see rules)

Mail logs to: (none)

Find rules at:

http://www.qrpfoxhunt.org/winter_rules.htm

Phone Fray

02:30 - 03:00 UTC 9 December

Mode: SSB

Bands: 160, 80, 40, 20, 15 m

Classes: Single Op

Max power: 100 watts

Exchange: NA: Name and state, province or country; non-NA: Name

Work stations: Once per band

QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station

Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 03:00 UTC 11 December 2015

E-mail logs to: (none)

Post log summary at:

<http://www.3830scores.com>

Mail logs to: (none)

Find rules at:

http://www.perluma.com/Phone_Fray_Contests_Rules.pdf

CWops Mini-CWT Test

13:00 - 14:00 UTC and 19:00 - 20:00 UTC 9 December and 03:00 - 04:00 UTC 10 December

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op - QRP, low or high

Max power: HP: >100 watts; LP: 100 watts;

QRP: 5 watts

Exchange: Member: Name and member no; non-Member: Name and state, province or country

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: Each call once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 04:00 UTC 12 December 2015

Post log summary at:

<http://www.3830scores.com>

Mail logs to: (none)

Find rules at:

<http://www.cwops.org/cwt.html>

NCCC RTTY Sprint

01:45 - 02:15 UTC 11 December

Mode: RTTY

Bands: (see rules)

Classes: (none)

Exchange: Serial no, name and QTH
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 13 December 2015
E-mail logs to: (none)
Post log summary at:
<http://www.3830scores.com/>
Mail logs to: (none)
Find rules at:
<http://www.ncccsprint.com/rtty.html>

QRP Fox Hunt
02:00 - 03:30 UTC 11 December
Mode: CW
Bands: 80 m Only
Classes: Single Op - fox or hound
Max power: 5 watts
Exchange: RST, state, province or country, name and power output
QSO Points: 1 point per QSO
Multipliers: (none)
Score Calculation: Total score = total QSO points
Submit logs by: 03:30 UTC 12 December 2015
E-mail logs to: (see rules)
Mail logs to: (none)
Find rules at:
http://www.qrpfoxhunt.org/winter_rules.htm

NCCC Sprint
02:30 - 03:00 UTC 11 December
Mode: (see rules)
Bands: (see rules)
Classes: (none)
Exchange: Serial no, name and QTH
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 13 December 2015
E-mail logs to: (none)
Post log summary at:
<http://www.3830scores.com/>
Mail logs to: (none)
Find rules at:
<http://www.ncccsprint.com/rules.html>



ARRL 10-Metre Contest
00:00 UTC 12 December to 24:00 UTC 13 December
Mode: CW, Phone
Bands: 10 m Only
Classes: Single Op - QRP, low or high- CW, phone or mixed; Single Op Unlimited - QRP, low or high- CW, phone or mixed; Multi-Single - low or high
Max operating hours: 36 hours
Max power: HP: 1 500 watts; LP: 150 watts; QRP: 5 watts
Exchange: W/VE: RST and state or province; XE: RST and state; DX: RST and serial no; MM: RST and ITU Region
QSO Points: 2 points per Phone QSO; 4 points per CW QSO
Multipliers: Each US State and DC once per mode; Each VE Province/Territory once per mode; Each XE State once per mode; Each DXCC Country once per mode; Each ITU Region (MM only) once per mode
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 12 January 2016
E-mail logs to: 10 meter@arrl.org
Upload log at:
www.contest-log-submission.arrl.org
Mail logs to: 10 Meter Contest, ARRL, 225 Main St., Newington, CT 06111, USA
Find rules at: <http://www.arrl.org/10-meter>

SKCC Weekend Sprintathon
12:00 UTC 12 December to 24:00 UTC 13 December
Mode: CW
Bands: 160, 80, 40, 20, 15, 10, 6 m
Classes: (none)
Max operating hours: 24

Exchange: RST, state, province or country, name and SKCC no or "NONE"
Work stations: Once per band
QSO Points: 1 point per QSO
Bonus Points: (see rules)
Multipliers: Each state, province or country once
Score Calculation: Total score = (total QSO points x total mults) and bonus points
Submit logs by: 18 December 2015
Post log summary at:
http://www.skccgroup.com/operating_activities/weekend_sprintathon/submit-display.php
Mail logs to: (none)
Find rules at:
http://www.skccgroup.com/operating_activities/weekend_sprintathon/

International Naval Contest
16:00 UTC 12 December to 15:59 UTC 13 December
Mode: CW, SSB
Bands: 80, 40, 20, 15, 10 m
Classes: Naval Single Op All Band - CW, SSB or mixed; Naval Club Station; non-Naval; SWL
Max operating hours: 24 hours
Exchange: Naval Club Member: RS(T), club and member no; non-Naval Club Member: RS(T) and serial no
QSO Points: Naval Club Members: 10 points; non-Naval Club Members: 1 point
Multipliers: Naval Club Members, once regardless of band
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 1 February 2016
E-mail logs to: pf9a@veron.nl
Mail logs to: Martin Ouwehand, Gruttoplantsoen 14, 1131 ME Volendam, The Netherlands
Find rules at:
<http://www.marinefunker.de/eng/show.php3?pos=16>

AWA Bruce Kelley 1929 QSO Party
23:00 UTC 12 December to 23:00 UTC 13 December
Mode: CW
Bands: 160, 80, 40 m

Classes: (none)
Exchange: RST, name, QTH, eqpt year and transmitter type (see rules for format)
QSO Points: (see rules)
Multipliers: (see rules)
Score Calculation: Total score = total QSO points
Submit logs by: 10 January 2016
E-mail logs to: wa9wfa@comcast.net
Mail logs to: Scott Freeberg WA9WFA, 327 Wildwood Avenue, Saint Paul, MN 55110, USA
Find rules at:
<http://www.antiquewireless.org/awa-on-the-air.html>

QRP ARCI Holiday Spirits Homebrew Sprint
20:00 - 23:59 UTC 13 December
Mode: CW
Bands: 160, 80, 40, 20, 15, 10 m
Classes: All Bands; Single Band; High Bands; Low Bands; Multi-Op; DX
Max operating hours: 4 hours
Exchange: RST, state, province or country and ARCI number or power
Work stations: Once per band
QSO Points: ARCI Member: 5 points; Non-Member Different Continent: 4 points; Non-Member Same Continent: 2 points
Bonus points per band: 2 000 for HB xmtr, 3 000 for HB rcvr, 5 000 for HB transcvr; 5 000 for battery power portable with temporary antenna (not once per band)
Multipliers: States, once per band; VE Provinces, once per band; Countries, once per band
Power Mult: x 1 > 5 W, x 7 1 - 5 W, x 10 250 mW - 1 W, x 15 55 - 250 mW, x 20 <55 mW
Score Calculation: Total score = (total QSO points x (state mults and province mults and country mults) x power mult) and bonus points
Submit logs by: 27 December 2015
E-mail logs to: contest@qrparci.org
Mail logs to: ARCI Holiday Spirits, c/o Jeff Hetherington, VA3JFF, 139 Elizabeth St. W., Welland, Ontario L3C 4M3, Canada
Find rules at:
<http://www.qrparci.org/contests/grp-arcicontests/142-holiday-homebrew-sprint>

Next Week's Contest

QRP Fox Hunt, 02:00 - 03:30 UTC 16 December

Phone Fray, 02:30 - 03:00 UTC 16 December

CWops Mini-CWT Test, 13:00 - 14:00 UTC, 19:00 - 20:00 UTC 16 December and 03:00 - 04:00 UTC 17 December

NAQCC CW Sprint, 01:30 - 03:30 UTC 17 December

NCCC RTTY Sprint, 01:45 - 02:15 UTC 18 December

QRP Fox Hunt, 02:00 - 03:30 UTC 18 December

NCCC Sprint, 02:30 - 03:00 UTC 18 December

Russian 160-Meter Contest, 20:00 - 24:00 UTC 18 December

AGB-Party Contest, 21:00 - 24:00 UTC 18 December

Feld Hell Sprint, 00:00 - 23:59 UTC 19 December

OK DX RTTY Contest, 00:00 - 24:00 UTC 19 December

RAC Winter Contest, 00:00 - 23:59 UTC 19 December

Croatian CW Contest, 14:00 UTC 19 December to 14:00 UTC 20 December

ARRL Rookie Roundup, CW, 18:00 - 23:59 UTC 20 December

Run for the Bacon QRP Contest, 02:00 - 04:00 UTC 21 December

Items used with acknowledgement to the
ARRL Letter, the ARRL DX News, the ARRL
Contest Update, OPDX Bulletin, 425 DX Bulletin,
DXNL Newsletter, WIA-News, the
RSGB News, DxCoffee, Southgate ARC
News, DX World and the Amateur Radio
Newsletter